

Claims

1. A tablet, comprising:-

- 5 (i) a core containing sumatriptan, and
(ii) a mantle, free of sumatriptan, wherein the mantle entirely surrounds the core.

2. A tablet according to Claim 1, wherein the weight ratio of mantle:core is equal to or less than 1.8:1.

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3. A tablet according to Claim 1, wherein the weight ratio of mantle:core is equal to or less than 1.5:1.

4. A tablet according to any of Claims 1-3, wherein the core contains from
15 10-200 mg of sumatriptan.

5. A tablet according to any of Claims 1-4, wherein:-

- 20 (i) the core is composed of sumatriptan, a filler, a binder, a disintegrant and a lubricant, and
(ii) the mantle is composed of a filler, a binder, a disintegrant and a lubricant.

6. A tablet according to Claim 5, wherein the core and the mantle further comprise adsorbants and/or colorants.

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7. A tablet according to Claim 6, wherein the core comprises, by weight:-

sumatriptan: 1-40%

filler: 10-90%

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binder: 2-60%

disintegrant: 1-60%

lubricant: 0.1-10%

adsorbants: 0-5%

colorants: 0-5%

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and the mantle comprises, by weight:-

filler: 10-90%
binder: 2-60%
5 disintegrant: 1-60%
lubricant: 0.1-10%
adsorbants: 0-5%
colorants: 0-5%

10 8. A tablet according to Claim 6, wherein the core comprises by weight:-

sumatriptan 1-50%
filler: 10-90%
binder: 2-60%
15 disintegrant: 1-60%
lubricant: 0.1-10%
adsorbants: 0-5%
colorants: 0-5%

20 and the mantle comprises, by weight:-

filler: 10-90%
binder: 2-60%
disintegrant: 1-60%
25 lubricant: 0.1-10%
adsorbants: 0-5%
colorants: 0-5%

9. A tablet according to Claim 6, wherein the core comprises by weight:-

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sumatriptan 5-80%
filler: 10-90%
binder: 2-60%
disintegrant: 1-60%
35 lubricant: 0.1-10%

adsorbants: 0-5%

colorants: 0-5%

and the mantle comprises, by weight:-

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filler: 10-90%

binder: 2-60%

disintegrant: 1-60%

lubricant: 0.1-10%

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adsorbants: 0-5%

colorants: 0-5%

10. A tablet according to any previous claim, wherein, apart from the sumatriptan in the core, the core and the mantle are composed of substantially the same materials.

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11. A tablet according to any previous claim, wherein both the core and the mantle dissolve rapidly in the stomach.

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12. A tablet according to Claim 11, wherein at least 90% of the tablet is dissolved after 10 minutes.

13. A tablet according to any of Claims 1-12, wherein the core and the mantle disintegrate over substantially the same time period.

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14. A tablet according to Claim 13, wherein the mantle is at least 95% dissolved and the core is at least 90% dissolved after 10 minutes.

15. A method of producing a tablet according to any previous claim, comprising the steps of:-

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(a) forming a core by:-

(i) placing a first amount of powder/granule in a press,

(ii) compressing said first amount of powder/granule to obtain a core, and

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- (b) pressing a second amount of powder/granule around said core, thereby forming a mantle and obtaining the final tablet.

5 16. A method of producing a tablet according to Claim 15, comprising the steps of:-

- (a) forming a core by:-

- (i) placing a first amount of powder/granule in a press,
- (ii) compressing said first amount of powder/granule to obtain a core, and

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- (b) forming a mantle around the core by:-

- (i) placing a second amount of powder/granule in a press,
- (ii) placing said core onto said second amount of powder/granule,
- (iii) placing a third amount of powder/granule on top of the core and the second amount of powder/granule, and
- (iv) compressing (iii) so as to obtain the final tablet.

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20 17. A method according to Claim 15 or 16, wherein the compression in Step (a) is carried out at pressure of from 0.5-5 tons.

18. A method according to Claim 15 or 16, wherein the compression in Step (b) is carried out at a pressure from 0.5-10 tons.

25 19. A method according to Claim 15 or 16, wherein the first amount of powder/granule comprises sumatriptan, a filler, a binder, a disintegrant and a lubricant.

30 20. A method according to Claim 19, wherein the first amount of powder/granule further comprises an adsorbant and/or a colorant.

21. A method according to Claim 15 or 16, wherein the first amount of powder/granule comprises, by weight:-

35 sumatriptan: 1-40%

filler: 10-90%
 binder: 2-60%
 disintegrant: 1-60%
 lubricant: 0.1-10%
 adsorbants: 0-5%
 colorants: 0-5%

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22. A method according to Claim 15 or 16, wherein the first amount of powder/granule comprises, by weight:-

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sumatriptan 1-50%
 filler: 10-90%
 binder: 2-60%
 disintegrant: 1-60%
 lubricant: 0.1-10%
 adsorbants: 0-5%
 colorants: 0-5%

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23. A method according to Claim 15 or 16, wherein the first amount of powder/granule comprises, by weight:-

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sumatriptan 5-80%
 filler: 10-90%
 binder: 2-60%
 disintegrant: 1-60%
 lubricant: 0.1-10%
 adsorbants: 0-5%
 colorants: 0-5%

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24. A method according to Claim 15 or 16, wherein the second and/or third amounts of powder/granule comprise a filler, a binder, a disintegrant and a lubricant.

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25. A method according to Claim 24, wherein the second and/or third amounts of powder/granule further comprise an adsorbant and/or a colorant.

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26. A method according to Claim 15 or 16, wherein the second and/or third amounts of powder/granule comprise, by weight:-

filler: 10-90%

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binder: 2-60%

disintegrant: 1-60%

lubricant: 0.1-10%

adsorbants: 0-5%

colorants: 0-5%

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27. A method according to Claim 15 or 16, wherein Step (a) results in a partially-compressed core, which core is then further compressed in Step (b).

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